DOCUMENT RESUME

ED 191 801 SP 016 203

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TITLE High School Graduation Requirements for the Delphian School by Levels, 1981.
INSTITUTION Delphian School, Sheridan, Oreg.
PUB DATE 80
NOTE 15p.; For related document see ED 164 490.
AVAILABLE FROM Director of Public Information, Delphian School, Sheridan, OR 97378 (Free).

EDRS PRICE MF01 Plus Postage. PC Not Available from EDRS.
DESCRIPTORS Academic Ability; *Academic Standards; Competency Based Education; *Course Content; *Graduation Requirements; Nongraded Student Evaluation; *Secondary School Curriculum; Study Skills

ABSTRACT

High school graduation requirements at the Delphian School are presented. The program consists of four levels. Level one is intended largely as review and remediation of previous schooling through the sixth grade. Levels two through four take the student through high school graduation. The requirements for each level are listed as well as course options which may be selected to fulfill a requirement. The school's academic program strongly emphasizes learning skills, language skills, fundamental mathematics skills, and reasoning skills. Graduation requirements consist of a set of specific abilities a student must master prior to receiving a diploma. (JD)

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HIGH SCHOOL GRADUATION REQUIREMENTS

by

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U S DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

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THE DELPHIAN SCHOOL

HIGH SCHOOL GRADUATION REQUIREMENTS FOR THE DELPHIAN SCHOOL BY LEVELS 1981

The Delphian high school program is intended for students transferring into the Delphian School in their teen years and seeking high school graduation. The program provides a review of basics and builds an excellent foundation of abilities in preparation for a career or college.

The program consists of four levels (Levels I–IV). Level I is intended largely as review and remediation of previous schooling through the sixth grade. Levels II–IV take the student through high school graduation. The student may omit (by examination) any part of the program where he is already able to demonstrate competence.

Given here are the requirements for each level, with additional data to the right of each requirement. "Related topics" are listed, where useful, to clarify the ability requirements. "Course options" are the courses which may be done to meet the requirement. Depending on the student, all to none of the courses may be needed to meet the graduation requirement.

The school's academic program strongly emphasizes learning skills, language skills, fundamental mathematics skills, and reasoning skills. In all studies, students are continually required to relate what they are learning to their lives, and to apply what they learn.

REQUIREMENTS AND GRADING: 100% MASTERY

Rather than assigning grades, or employing a pass/fail system, the School requires that each student must demonstrate complete mastery of the materials studied. Evaluation is carried out continuously, as the student progresses through his or her program, as well as comprehensively, to examine the student's qualifications for promotion to a higher class.

The high school graduation requirements of the Delphian School consist of a set of specified abilities which the student must master prior to receiving a diploma. These requirements are quite rigorous, and the student is thoroughly examined to ensure that he or she meets them.

The amount of time students spend studying any particular subject may vary widely from student to student, and is not a factor in graduation. The student's mastery of the abilities is the only criterion.

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LEVEL I

Ability	Related topics	Course options
INDIVIDUAL AND FAMILY		
1. Can maintain excellent personal hygiene and appearance, and can keep own living quarters clean and neat without supervision.	Personal hygiene Personal grooming Clothing care Cleaning	Personal Cleanliness
2. Can observe appropriate manners in common situations.	Dining Introductions Social occasions Dating	Manners
3. Can deal responsibly with alcohol, tobacco and other drugs.	Physiology Mental effects	Smoking Education Drugs Education
4. Can locate and identify vital parts of major body systems; can describe structure and function at a beginning level.	Skeleton Muscles Circulation Breathing Digestion Reproduction Nervous System	Primary Anatomy and Physiology
5. Can sew and mend by hand.	3 basic stitches Sewing buttons Hemming Simple mending	Hand Sewing
6. Knows and can apply basic household safety rules.	Electrical Burns Fires Gases Poisons Falls Tools Traffic	Home Safety
7. Can demonstrate understanding of money, exchange, and value; can write a proposal that confronts fair exchange.	Exchange with parents Exchange with other individuals Exchange with groups	Exchange
8. Physical fitness; can achieve an overall score in the 55th percentile for age class on the AAHPER (American Association for Health, Physical Education and Recreation) Youth Physical Fitness Test (subject to individual modification at Level I).		Youth Fitness Checklist
9. Participates well in a sport either at an intramural level or at an interscholastic level.	Tennis Running Weight-training Wrestling Karate Bicycling Swimming Bowling Golf Archery Soccer Football Baseball Basketball Volleyball Others	Individual or team sport checklists
GROUPS AND SOCIETY		
1. Can distinguish good and bad communication; can communicate well.	Communication formula Drills	What is Communication
2. Can apply effectively the study technology as developed by L. Ron Hubbard to one's own study, and can check the work of other students to an acceptable standard.	Mass and significance Gradients Misunderstood words Checkouts	The Learning Book Checkouts
3. Can read a variety of materials in written English with complete comprehension—total vocabulary of about 5,000 words; can read aloud well.	Comprehension Pronunciation Emphasis Accent and inflection Vocabulary	McGuffey's Third Reader McGuffey's Fourth Reader

LEVEL I (continued)

Ability	Related topics	Course options
4. Can write cursive in a good hand.		Cursive Handwriting Improving Cursive Handwriting
5. The student can use standard English competently:		
a. Can correctly use words from a basic vocabulary.	Synonyms Antonyms Homonyms Verb parts Standard word usage	
b. Can write words, sentences, paragraphs correctly.	Capitalization Punctuation Correct form	
c. Can identify the kinds of sentences and principal sentence elements; can use these correctly in writing.	Declarative, interrogatory, exclamatory sentences Sentence elements Parts of speech	
d. Can write compositions and stories of several paragraphs, including topics with subheadings.		
e. Can write personal letters in correct form.		
f. Can diagram simple sentences at a beginning level.	Substantives Verbs Adjectives	a-f Guidebook to Better English, Levels 1-3 English Grammar I
g. Can spell well within the limits of a basic vocabulary.	Phonetic spelling and common exceptions Formation of plurals—regular and irregular endings, numbers and symbols Possessive forms Meanings and uses of common prefixes and suffixes	McGuffey's Third Reader Spelling I: Phonetic Spelling Spelling II: Phonetic Spelling and Common Exceptions Spelling III: Prefixes and Suffixes Spelling IV: Adding Suffixes By Rule Spelling V: Formation of Plurals
6. Can recognize and describe major human cultural groups.	Environment Economics Lifestyle	Introduction to Geography I
7. Can use maps; can draw simple maps.	Legend and scale Orientation Latitude and longitude Urban and road maps Types of maps	Introduction to Geography I
8. Can draw a map from memory to show the continents and oceans of the world; can use maps to find a route and to obtain useful data.		Introduction to Geography I
9. Can identify important persons in the world today and tell a little about what each does.		Current Events
10. Can demonstrate understanding of basic aspects of commerce and transport lines (e.g., from farm to table).	Production Distribution Transportation Types Wholesale/retail	Exchange
11. Can identify major components of towns and cities and demonstrate knowledge of their functions.	Residential Commercial Industrial Recreational Governmental Transportation	Towns and Cities
12. Can demonstrate understanding of what money is and how it is earned; can make correct change for purchases of any amount.	Exchange Arithmetic	Exchange Mathematics Around Us

LEVEL I (continued)

Ability	Related topics	Course options
MATHEMATICS AND SCIENCE		
1. Can perform arithmetic operations with facility.	Addition, Subtraction, Multiplication, Division, Fractions, Decimals, Percents	Mathematics Around Us Fractions Decimals Percents Counting 1-4 & Counting Forever Putting Numbers Together Taking Numbers Away Parts of Things Addition Subtraction Multiplication Division Introduction to the Metric System
2. Can perform common measurements of length, weight, temperature, area and volume in metric and English units; can convert measurements from one system to the other; can read Roman numerals.		Measuring I-VI Introduction to the Metric System Mathematics Around Us—Level 31
3. Can draw or show in clay common geometric shapes.		Shapes I-II Mathematics Around Us
4. Can take care of a plant so that it survives well; can draw the cross-section of a tree.		Beginning Plants
5. Can recognize representative species of common animal groups and describe their diet and relationship to man in a general way.		Basic Biology Series Courses
6. Can demonstrate understanding of the group structure of a social insect such as the ant or honeybee, and can recognize such.		Insects
7. Can trace the cycle of food through a biological system (food web).		Food Cycle
8. Can demonstrate understanding of the terms "matter," "energy," "force" and "work"; can build a simple engine and explain theory of operation in qualitative terms.		Engines
9. Can trace the flow of energy through the system sun—trees—boiler—hot water—warm room; can trace the flow of matter (water) through the hydrologic cycle.		Energy From The Sun Data Sheet 1804, The Water Cycle
10. Can design and build a simple structure with hand tools; can properly care for the tools.		Working With Wood
11. Can describe weather and do rudimentary 6-hour weather predictions accurately.	Temperature measurement Weather types Weather prediction	Weather
12. Can build a simple electric circuit (battery—switch—lightbulb) and demonstrate Ohm's law with it.		Lightbulbs, Switches and Batteries

LEVEL I (continued)

Ability	Related topics	Course options
13. Understands what light is and can mix primary colors to produce secondary colors.		Light
14. Can ride a bicycle safely.		Pedestrian and Bicycle Safety Checklist Form I Bicycle Safety and Oregon Traffic Laws
ART, PHILOSOPHY AND RELIGION		
1. Can sing simple songs and play simple melodies on an instrument.	Definition of art Definition of rhythm Reading music Writing music	Music: The Basics
2. Can create designs and attractive pieces using elements of design.	Line Shapes Textures and patterns Space Color	Beginning Design Studio classes
3. Ethics: Knows purposes of own group; can give and observe rules of ethics of own group and knows how the rules relate to the purposes; can write down some personal rules of ethics and observe them.		Student Handbook

LEVEL II

INDIVIDUAL AND FAMILY			
1. Can deliver routine first aid well.	Bleeding Shock Wounds Artificial respiration Dislocations and sprains	Burns and freezes Unconsciousness Crowd control Poisoning Fractures	Elementary First Aid Primary Anatomy and Physiology
2. Can budget income and expenses and adhere to a budget, keeping accurate records; knows how to keep a checking or savings account.	Economics Records Banking accounts		Personal Economics Exchange
3. Can plan and cook adequate meals for a family.	Nutrition Preparation Meal Planning		Basics of Cooking
4. Can perform routine care for a small child.	Communication Providing a safe environment Teaching children Handling upsets Sanitation		Care of Children
5. Can demenstrate an understanding of family responsibilities in the areas of sex, marriage and child-rearing.	Marriage Pregnancy and Health	Child Care Health Contraception	Sex Education Care of Children

LEVEL II (continued)

Ability	Related topics	Course options
6. Can participate in a business activity based on an understanding of exchange, products, services and types of businesses.	Economics Types of Business Organizational Policy Promotion Production	Basics of Organizations I General Economics I: Basics
7. Can achieve an overall score in the 60th percentile on the AAHPER Youth Fitness Test.		Youth Fitness Test Checklist
8. Participates well in two sports at an intramural level, or one at an interscholastic level.	Tennis, Golf, Running, Archery, Weight-training, Soccer, Wrestling, Football, Karate, Baseball, Bicycling, Basketball, Swimming, Volleyball, Bowling, Others	Individual and team sports checklists
GROUPS AND SOCIETY		
1. Can identify data that are logical and illogical.	Out-points Plus-points	Thinking Book—Volume I
2. Can use standard English at a high level of competence: a. Can handle all aspects of grammar and usage well. b. Can spell well. c. Can revise sentences to communicate more effectively. d. Can write good paragraphs and longer well-organized compositions. e. Can use library resources effectively in writing compositions.	Vocabulary Grammar and usage Sentence elements Composition Capitalization Study skills Compound-complex sentences	Keys to English Mastery IA, IB, IIA, IIB English Grammar II, III, IV
3. Can read popular works and newspapers easily with good comprehension.	Literature list Newspapers Magazines Stories	Keys to English Mastery Courses McGuffey's Fourth Reader Level II Literature
4. Can read, write, understand and speak a second language with a simple vocabulary.	Spanish, French, German, Finnish, Others	Foreign language courses
5. Can identify major geographic features of the United States and its regions, both physical and man-made; can identify and locate major resources and products of the regions in the U.S.		Introduction to Geography I Survey of U.S. Geography
6. Can recognize and describe major national and global historical events and relate them to current events; can dramatize some historical events.	Historical accounts Third Party Law Ancient civilizations of Fertile Crescent Ancient China Grecian states Roman Empire Middle Ages Renaissance Reformation Age of Enlightenment Recent history American history	How to Study History Story of Western Civilization: I—Ancient Civilizations II—Greece and Rome III—Middle Ages and IV Renaissance IV—East and West Beginner's American History

LEVEL II (continued)

Ability	Related topics	Course options
7. Knows what an organization is and can participate effectively as a group member.	Group purpose Posts/responsibilities	Basics of Organizations I
MATHEMATICS AND SCIENCE		
1. Can carry out all arithmetic operations, including exponents, estimates of square and cube roots, and simple statistics.	Arithmetic Square and cube roots Scientific notation Average, median	Algebra I
2. Can define basic geometric shapes mathematically in geometric terms, and can find dimensions (perimeters, areas, volumes, etc.) of common geometric shapes.	Point Line Plane Solid figures: Plane Figures: Cube Triangle Prisms Square Cylinder Rectangle Cone Parallelograms Pyramids Ellipse Other polyhedrons Parabola Other polygons	Basic Geometry Mathematics Around Us
3. Algebra: a. Can solve single variable equations; can use algebra to find areas, volumes and various other dimensions of common geometric shapes. b. Can set up and solve quadratic equations to predict physical phenomena. c. Can interpret and graph functions, and use them to represent phenomena and solve problems.	Equations of motion Negative numbers Polynomials and fractions Solving equations Functions Cartesian coordinate system	Algebra I-III
4. Can handle all aspects of daily care of livestock, or can handle all aspects of routine maintenance and care of a garden through harvest.	Garden preparation Planting Maintenance Pest Control Harvest Diet/feeding Milking Grooming Production Records	Dairy Apprenticeship Swine Apprenticeship Others Introduction to Gardening
5. Can identify some common natural communities and habitats; can make field identifications of plants and animals using field guides.		Beginning Natural History
6. Can recognize and predict basic chemical phenomena.	Acidity/alkalinity Oxidation-combustion-rust Change of state Soap/detergent Precipitation Crystallization Carbonation	Elementary Chemistry
7. Can chart a planet's course across the sky; can predict general tidal patterns from astronomical data.		Astronomy
8. Can build and use a simple refracting telescope.		Astronomy
ART, PHILOSOPHY AND RELIGION		
1. Can create drawings and designs from an understanding of design and historical sources.	Definition of art Historical developments in visual arts Principles of drawing Principles of design	Beginning Drawing Beginning Art History Beginning Design Story of Western Civilization I-IV

LEVEL II (continued)

Ability	Related topics	Course options
2. Can identify different periods and styles of music, and tell a little about illustrative examples.	Renaissance Baroque Classical Impressionist Romantic Contemporary Instrumentation	Beginning Music History Story of Western Civilization I-IV
3. Has read a range of humane literature appropriate for youth.		Level II Literature Checklist
4. Can perform as a skilled amateur in a chosen art form (Level II standard).	Theory of art Technique Art forms: Music—vocal, instrumental Drama Sculpture Dance Print-making Drawing Crafts Painting Photography Ceramics Calligraphy	Arts checklists

ELECTIVES

Has earned 25 completion credits from additional academic and extracurricular activities.

LEVEL III

INDIVIDUAL AND FAMILY

1. Can analyze a diet based on an understanding of digestive processes and the nutritional needs of the body.	Musculo-skeletal system Digestive system Digestive processes Biochemistry Nutrition Diet	Musculo-skeletal System Digestive System Basics of Cooking
2. Can shop intelligently; has an understanding of credit and insurance.	Consumer education Money management Banking services Credit Insurance	General Economics II: Consumer Education and Banking Services General Economics III: Credit, Insurance and Savings
3. Is familiar with major career areas and several specific careers within each area; can evaluate options for fulfillment of own interests and goals with respect to careers available.		Careers I
4. Can achieve an overall score in the 65th percentile or better for age class on the AAHPER Youth Fitness Test.		Youth Fitness Test Checklist
5. Continues participation in two sports at an intramural level or one at an interscholastic level.	Tennis Golf Running Archery Weight-training Soccer Wrestling Football Karate Baseball Bicycling Basketball Bowling Volleyball Swimming others	Individual and team sports checklists

LEVEL III (continued)

Ability	Related topics	Course options
GROUPS AND SOCIETY		
1. Can apply study technology standardly to one's own study.	Study Checkouts Coaching Communication theory Course administration Learning drills Word clearing Gradients Communication drills Clay demonstration	Basic Study Manual
2. Can analyze data and situations to identify causes and improve conditions.	Data analysis Situation analysis	Thinking Book—Volume 2
3. Can write very well and clearly in a variety of compositional forms with no grammatical or spelling errors; takes notes well.	Composition Letters Reports Articles Advertisements Bibliographies Book reviews Notes preparation Grammar Spelling	Keys to English Mastery IIIA, IIIB, IV
4. Can read, write, understand and speak a second language with a good basic vocabulary.	Spanish French others Finnish German	Foreign language courses
5. Can design and implement an organizational structure which will allow a group to effectively produce a desired product.	Organizational structure Command lines Key functions	Basics of Organizations II
6. Can recognize and describe major historical events of a local region, and relate their importance to the current scene.		Pacific Northwest Other regional geography/ history courses
7. Understands the organization of local, state and Federal governments and their effect on commerce; can show how things are accomplished by or through government; can show how governments can affect social and economic change.	Governmental policy established by the Constitution Structure of local and state governments Structure of Federal governments Influence of economic interests	General Economics II-III The Declaration of Independence, Constitution, and Bill of Rights U.S. Federal Government State and Local Government
8. Can outline the operation of the American judicial system at the Federal and state levels.	Court system franchised by Constitution Federal court system State and local court system	The Declaration of Independence, Constitution, and Bill of Rights U.S. Federal Government State and Local Government
MATHEMATICS AND SCIENCE		
1. Can write simple computer programs to solve real problems and execute them on a microcomputer.	Computer functions Microcomputer operation Programming	Computer Basic Course I-II
2. Can identify and analyze the biological properties of living organisms at a basic level.	Life processes Cell biology Biochemistry Heredity Evolution Classification Investigations	Biology I: Basics and Microscopy
3. Can use a microscope well in investigations.	Simple optics Compound microscope Specimen preparation and observation	Biology I

Ability	Related topics	Course options
4. Can manage a simple ecosystem for production.	Communities Ecosystems Succession Limiting factors	Biology I
5. Can saddle and groom a horse; can ride a horse through simple maneuvers.		Horsemanship Checklist
6. Can use all six types of simple machines to reduce force and do work.	Weight — Wheel and axle Forces — Inclined plane Levers — Wedge Pulleys — Screw	Simple Machines
7. Can demonstrate basic laws of physics quantitatively and use them to predict motion.	Matter, space and time Motion and force Energy, work and power	Physics: Mechanics
8. Can design a circuit which will change electrical energy into light, heat, sound and motion.		Elementary Electricity
9. Can measure and keep track of major weather variables.	Records Instrumentation Wind Speed and direction Humidity Precipitation Maximum-minimum temperature Sky condition	Weather Observer
10. Can maintain, repair and overhaul a bicycle.		Bicycle Maintenance and Repair
ART, PHILOSOPHY AND RELIGION		
1. Can communicate a range of emotions well in acting or in another art form.		Arts checklists
2. Has read a selection of works in humane literature for young adults, and can evaluate for self the merits of each.	Religious literature Science fiction Fantasy — Drama Adventure — Poetry Short stories — Book reviews	Level III Literature checklist
3. Can perform as a skilled amateur in a chosen art form (Level III standard).	Theory of art Technique Art forms: Music—vocal, instrumental Drama — Dance Drawing — Painting Sculpture — Print-making Ceramics — Calligraphy Crafts — Photography	Arts checklists
4. Can evaluate a code of ethics to determine why a particular code is useful, and acts according to one that improves survival.		Ethics Book Student Handbook
ELECTIVES		
Has earned a total of 50 completion credits from additional academic and extracurricular activities.		

Level IV

Ability	Related topics	Course options
INDIVIDUAL AND FAMILY		
1. Can maintain excellent health and appearance in self and others.		Personal Cleanliness Manners Smoking Education Drugs Education Home Safety Elementary First Aid Basics of Cooking Hand Sewing Primary Anatomy and Physiology Musculo-Skeletal System Elementary Chemistry Digestive System Health Youth Fitness Checklist
2. Can evaluate career areas in terms of own purposes and can draw up a detailed plan for achieving career goals.	Careers Employment resources The scale of administration	Careers I Careers II
3. Can perform a marketable skill to an acceptable standard; can conduct a job search, apply and interview for jobs.		Careers II
4. Can achieve an overall score in the 70th percentile or better for age class on the AAHPER Youth Fitness Test.		Youth Fitness Test Checklist
5. Continues participation in two sports at an intramural level, or one at an interscholastic level.	Tennis, Golf, Running, Archery, Weight-training, Soccer, Wrestling, Football, Karate, Baseball, Bicycling, Basketball, Swimming, Volleyball, Bowling, others	Individual and team sport checklists
GROUPS AND SOCIETY		
1. Can communicate at an excellent level in written English: a. Can handle all aspects of standard English usage excellently. b. Can organize and write excellent compositions.	Sentences, Vocabulary, Grammar and usage, Sentence elements, Punctuation, Capitalization, Compositions, Library skills Correspondence, Reports, Articles, Advertisements, Bibliographies, Book reviews, Notes preparation, Technical articles, Journals	Keys to English Mastery I-VI
2. Can communicate effectively in situations calling for public speaking.	Communication drills Announcements Introductions Leading discussions Entertainment Persuasion Information Dramatic reading	Public Speaking

Ability	Related topics	Course options
3. Can read, write, understand and speak a second language with a vocabulary equivalent to that of a first reader.	Spanish French German Finnish Others	Foreign language courses
4. Can recognize and describe major political, geographic and cultural features of local region, nation and world, showing major commercial and transportation centers and trading routes.	Economic systems Political systems Resources Transportation centers and trading Cultural features Religion	Cultural Geography of the World Introduction to Geography II Survey of U.S. Geography World Natural Resources Regional geography courses
5. Can recognize, locate and describe major historical events on a regional, national and global scale.	Logic and evaluation Geographic factors Third Party Law	Introduction to History Story of Western Civilization I-IV Beginning American History General Economics I Thinking Book—Volumes 1&2 American and World History Topics Regional history courses Introduction to Geography II World Natural History
6. Can evaluate news to determine truth, relative importances, and impact of events.	Logic and evaluation Regional, national and global history (with attention to causes and effects) Regional, national and global geography (physical and cultural) Economics Resources Balance of payments Taxation International banking Public relations Media World government movement Third Party Law Contemporary events	Introduction to Geography II World Natural Resources Cultural Geography of the World Regional and national geography courses Introduction to History Story of Western Civilization I-IV Beginner's American History American and World History Topics General Economics I-III Thinking Book—Volumes 1&2
7. Can demonstrate an understanding of citizens' rights and responsibilities under the American legal system; can interact responsibly with others under the law.	Court system franchised by the Constitution Federal court system State and local court systems Bill of Rights American legal system Civil and criminal law Legal recourse	Practical Law The Declaration of Independence, Constitution, and Bill of Rights U.S. Federal Government State and Local Government
MATHEMATICS AND SCIENCE		
1. Can design, build and finish a bookcase or another structure of similar complexity.	Construction Finish	Woodworking
2. Can make a bar magnet, electromagnet, telegraph and electric motor.	Electricity Magnetism	Simple Electromagnetic Devices
3. Understands applications and hazards of the electromagnetic spectrum, and can give common examples.	Wave Phenomena Electromagnetic spectrum Applications Hazards	Electromagnetic Spectrum
4. Can construct and operate a model renewable energy system.	Solar Wind Water Methane	Solar Energy I Wind Energy I Water Energy I Methane Production

Ability	Related topics	Course options
5. Can demonstrate understanding of broad geological phenomena and predict earthquake regions.	Continental drift Mountain building and subsiding Earthquake and volcanic activity Distribution of plants and animals	Plate Tectonics
ART, PHILOSOPHY AND RELIGION		
1. Has read a selection of humane literature intended for adults, and can evaluate for self the merits of each.	Religious literature Biography Ancient literature Novels Plays Poetry Book reviews	Level IV Literature Checklist
2. Can write competently in several major literary forms.	Literature lists Composition	Level IV Literature Checklist Keys to English Mastery V & VI Elements of Style
3. Can perform as a skilled amateur in a chosen art form (Level IV standard).	Theory of art Technique Art forms: Music—vocal, instrumental Drama Dance Drawing Painting Sculpture Print-Making Ceramics Calligraphy Crafts Photography	Arts checklists
4. Understands how ideas and the spread of ideas relate to events on a broad scale, and can demonstrate key philosophical concepts and new ideas which have a major impact on current events.		American and World History Topics
5. Can compare Man's major religions from an understanding of how those religions developed.	Religions Rationale of tenets Concepts of God	Religion Ethics Book
ELECTIVES		
Has earned a total of 100 completion credits from additional academic and extracurricular activities.		